

JOURNAL  
OF THE  
ARNOLD ARBORETUM

HARVARD UNIVERSITY

C. E. WOOD, JR.

EDITOR

L. I. NEVLING, JR.

ASST. EDITOR

LAZELLA SCHWARTEN

CIRCULATION

VOLUME XLII



CAMBRIDGE, MASS.

1961

Reprinted with the permission of the  
Arnold Arboretum of Harvard University

KRAUS REPRINT CORPORATION  
New York

1968

QK  
475  
A3

### DATES OF ISSUE

No. 1 (pp. 1-114) issued January 17, 1961.

No. 2 (pp. 115-262) issued April 17, 1961.

No. 3 (pp. 263-372) issued July 14, 1961.

No. 4 (pp. 373-477) issued October 13, 1961.

# TABLE OF CONTENTS

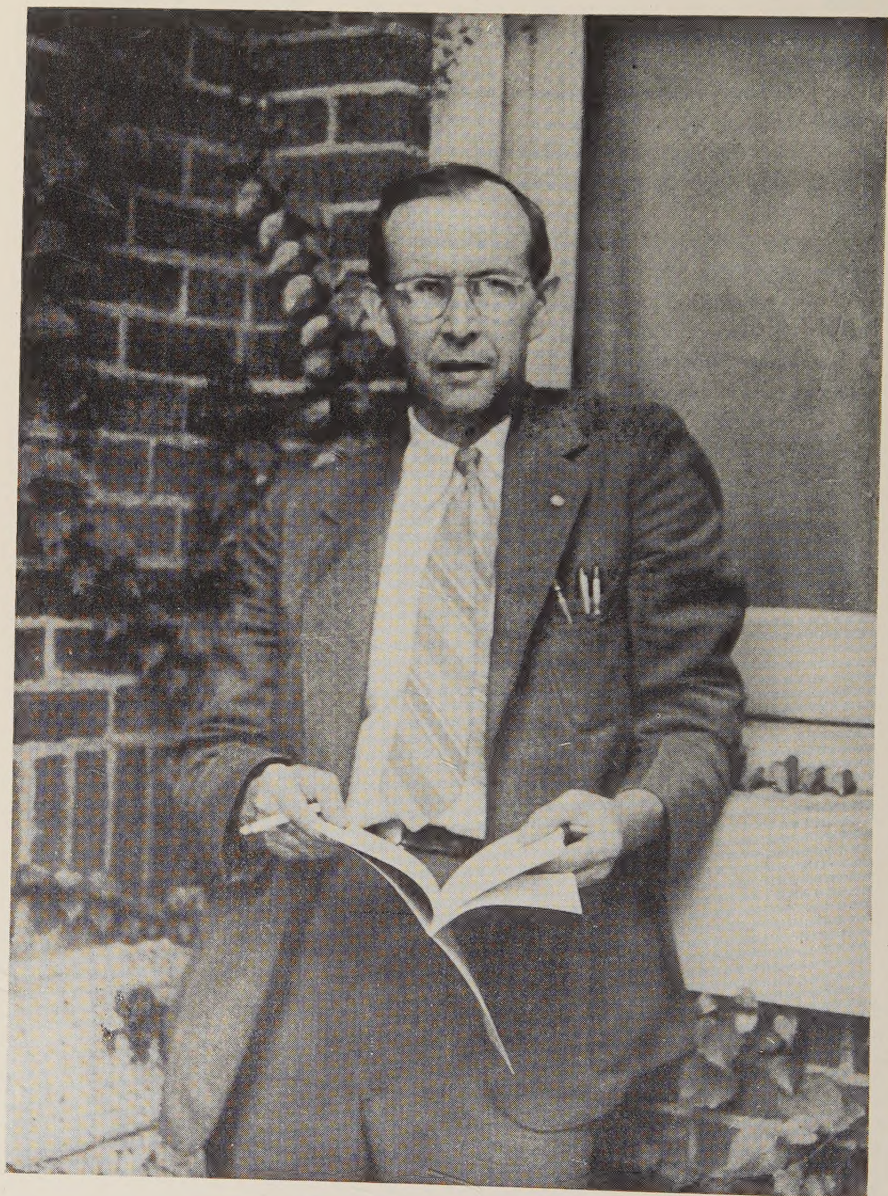
IVAN MURRAY JOHNSTON, 1898-1960. With portrait. By <i>Richard A. Howard</i> .....	1
THE GENERA OF ERICACEAE IN THE SOUTHEASTERN UNITED STATES. By <i>Carroll E. Wood, Jr.</i> .....	10
STUDIES IN THE THEACEAE, XXX. THE AFRICAN SPECIES OF TERNSTROEMIA. By <i>Clarence E. Kobuski</i> .....	81
STUDIES IN THE GENUS COCCOLOBA, X. NEW SPECIES AND A SUMMARY OF DISTRIBUTION IN SOUTH AMERICA. By <i>Richard A. Howard</i> .....	87
THE GENERA OF THE CYRILLACEAE AND CLETHRACEAE OF THE SOUTHEASTERN UNITED STATES. By <i>Joab L. Thomas</i> .....	96
STUDIES IN THE GENUS COCCOLOBA, XI. NOTES ON THE SPECIES IN ASIA. By <i>Richard A. Howard</i> .....	107
SCHIZOCARDIA BELIZENSIS: A SPECIES OF PURDIAEA (CYRILLACEAE) FROM CENTRAL AMERICA. By <i>Joab L. Thomas</i> .....	110
STUDIES IN THE THEACEAE, XXXI. A NEW SPECIES OF ADINANDRA FROM THE CELEBES. By <i>Clarence E. Kobuski</i> .....	112
THE BOTANICAL RESULTS OF THE U.S. COMMISSION OF INQUIRY TO SANTO DOMINGO IN 1871. By <i>Richard A. Howard</i> .....	115
COMPARATIVE ANATOMY OF THE LEAF-BEARING CACTACEAE, II. STRUCTURE AND DISTRIBUTION OF SCLERENCHYMA IN THE PHLOEM OF PERESKIA, PERESKIOPSIS AND QUIABENTIA. By <i>I. W. Bailey</i> . .....	144
THE CYTOLOGY OF SOME CULTIVATED SPECIES OF VIBURNUM. By <i>Joab L. Thomas</i> .....	157
MIocene FOSSIL WOODS FROM THE COLUMBIA BASALTS OF CENTRAL WASHINGTON. By <i>U. Prakash</i> and <i>Elso S. Barghoorn</i> .....	165
THE GENERA OF TURNERACEAE AND PASSIFLORACEAE IN THE SOUTHEASTERN UNITED STATES. By <i>George K. Brizicky</i> .....	204
A STUDY OF HYBRIDIZATION IN DOWNINGIA (CAMPANULACEAE). By <i>Carroll E. Wood, Jr.</i> .....	219
STUDIES IN THE THEACEAE, XXXII. A REVIEW OF THE GENUS TERNSTROEMIA IN THE PHILIPPINE ISLANDS. By <i>Clarence E. Kobuski</i> .....	263
LEAF AND NODAL ANATOMY OF SOME ANDEAN COMPOSITAE-ASTEREAE. By <i>Otto T. Solbrig</i> .....	276
A REVISION OF THE ASIATIC GENUS LINOSTOMA (THYMELAEACEAE). By <i>Lorin I. Nevling, Jr.</i> .....	295
THE GENERA OF VIOLACEAE IN THE SOUTHEASTERN UNITED STATES. By <i>George K. Brizicky</i> .....	321
COMPARATIVE ANATOMY OF THE LEAF-BEARING CACTACEAE, III. FORM AND DISTRIBUTION OF CRYSTALS IN PERESKIA, PERESKIOPSIS AND QUIABENTIA. By <i>I. W. Bailey</i> .....	334

MIocene FOSSIL WOODS FROM THE COLUMBIA BASALTS OF CENTRAL WASHINGTON, II. By <i>U. Prakash</i> and <i>ElsO S. Barghoorn</i> .....	347
A SYNOPSIS OF THE GENUS <i>COLUMELLIA</i> (COLUMELLIACEAE). By <i>George K. Brizicky</i> .....	363
A REVISION OF THE ASIATIC GENUS <i>ENKLEIA</i> (THYMELAEACEAE). By <i>Lorin I. Nevling, Jr.</i> .....	373
THE FLORAL MORPHOLOGY AND RELATIONSHIPS OF <i>KINGDONIA UNIFLORA</i> . By <i>Adriance S. Foster</i> .....	397
CONIFEROUS POLLEN TYPES OF THE SOUTHERN HEMISPHERE, I. ABERRATION IN <i>ACMOPYLE</i> AND <i>PODOCARPUS DACRYDIODES</i> . By <i>Lucy M. Cranwell</i> .....	416
STUDIES IN THE THEACEAE, XXXIII. VARIATION IN THE FRUIT OF <i>TERNSTROEMIA KWANGTUNGENSIS</i> . By <i>Clarence E. Kobuski</i> .....	426
THE CORRECT NAMES FOR " <i>DIOSPYROS EBENASTER</i> ." By <i>Richard A. Howard</i> .....	430
A NEW SPECIES OF <i>PINUS</i> FROM MEXICO. By <i>John W. Andresen</i> and <i>John H. Beaman</i> .....	437
FIBERS IN THE SECONDARY XYLEM OF <i>AESCHYNOMENE</i> . By <i>U. Prakash</i> .....	442
THE DIRECTOR'S REPORT .....	447
BIBLIOGRAPHY OF THE PUBLISHED WRITINGS OF THE STAFF AND STUDENTS, JULY 1, 1960-JUNE 30, 1961 .....	464
STAFF OF THE ARNOLD ARBORETUM, 1960-1961 .....	468
INDEX TO VOL. XLII .....	469





Digitized by the Internet Archive  
in 2024



IVAN MURRAY JOHNSTON